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**CATALOG OF SEED AND VEGETATIVE STOCK  
AVAILABLE FROM THE SOUTHERN REGIONAL  
PLANT INTRODUCTION STATION**

Reserve

<sup>20</sup>Okra

Science and Education Administration  
U.S. Department of Agriculture  
1978

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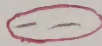


Catalog of Seed and Vegetative Stock  
Available From the  
Southern Regional Plant Introduction Station

24510  
OKRA

(*Abelmoschus esculentus*) <sup>2</sup>/<sub>2</sub>

FC Compiled by

REGIONAL PROJECT S-9  
of the  
Agricultural Experiment Stations  
of  
~~Alabama, Arkansas, Florida, Georgia, Hawaii,~~  
~~Kentucky, Louisiana, Mississippi, North Carolina,~~  
~~Oklahoma, Puerto Rico, South Carolina, Tennessee,~~  
Texas, and Virginia  
and the  
Science and Education Administration  
and  
Soil Conservation Service  
of the  
U.S. Department of Agriculture • 

1978

This catalog, which supersedes the edition of February 1975, is available from the Southern Regional Plant Introduction Station, Science and Education Administration, U.S. Department of Agriculture, Experiment, Ga. 30212. Other catalogs in this series:

Vine Crops. June 1978.  
*Sesamum* Species. August 1978.  
Castors. September 1978.  
Guar. September 1978.  
Pearlmillet. November 1978.  
Table Legumes. December 1978.  
Summer Legumes. December 1978.

Catalog of Seed and Vegetative Stock Available From the Southern Regional Plant Introduction Station. Okra. December 1978.

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Published by Agricultural Research (Southern Region), Science and Education Administration, U.S. Department of Agriculture, P.O. Box 53326, New Orleans, La. 70153.



## Foreword

Seeds of the plant introductions listed herein are available in small quantities to research workers on request to the Southern Regional Plant Introduction Station, Experiment, Ga. 30212. This inventory is cumulative for plant materials grown at the regional station or by cooperating State experiment stations since 1949, when the S-9 "New Plants" project was initiated. During the year of seed multiplication, plants were observed, when possible, for agronomic and horticultural characteristics, disease and nematode resistance, and other desirable genetic characters. These data are summarized for the use of plant scientists who wish to select plant materials for research.

Many plant species that are not in this seed list are available at the Northeastern Regional Plant Introduction Station, Geneva, N.Y. 14456; North Central Regional Plant Introduction Station, Ames, Iowa 50010; and the Western Regional Plant Introduction Station, Pullman, Wash. 99163. The Plant Germplasm Technical Committee member in each State can provide a list of plant materials available at each station. In the Southern States, Hawaii, and Puerto Rico the members are:

Alabama: C. S. Hoveland, Department of Agronomy, Agricultural Experiment Station,  
Auburn, Ala. 36830.

Arkansas: John L. Bowers, Department of Horticulture and Forestry, Agricultural  
Experiment Station, Fayetteville, Ark. 72701.

Florida: Gordon M. Prine, Department of Agronomy, Agricultural Experiment Station,  
Gainesville, Fla. 32611

Georgia: W. R. Langford, Regional Plant Introduction Station, Experiment Ga. 30212.

Hawaii: R. A. Hamilton, Department of Horticulture, College of Tropical Agriculture,  
University of Hawaii, Honolulu, Hawaii 96822.

Kentucky: R. E. Sigafus, Department of Agronomy, Agricultural Experiment Station,  
Lexington, Ky. 40506.

Louisiana: R. J. Stadtherr, Department of Horticulture, Agricultural Experiment  
Station, Baton Rouge, La. 70803

Mississippi: C. E. Watson, Department of Agronomy, Agricultural Experiment Station,  
Mississippi State, Miss. 39762.

North Carolina: W. T. Fike, Department of Crop Science, North Carolina State  
University, Raleigh, N.C. 27607.

Oklahoma: James S. Kirby, Department of Agronomy, Agricultural Experiment Station,  
Stillwater, Okla. 74074

Puerto Rico: Oscar D. Ramirez, Department of Plant Breeding, Agricultural Experiment Station, Río Piedras, P.R. 00928.

South Carolina: D. W. Bradshaw, Department of Horticulture, Agricultural Experiment Station, Clemson, S.C. 29631.

Tennessee: L. N. Skold, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tenn. 37901.

Texas: E. L. Whiteley, Department of Agronomy, Agricultural Experiment Station, College Station, Tex. 77843.

Virginia: A. J. Lewis III, Department of Horticulture, Agricultural Experiment Station, V.P.I. & S.U., Blacksburg, Va. 24061.

Plant scientists in the Southern Region having a need for plant germplasm not available at any of the regional stations or other units of the National Plant Germplasm System should direct their requests to the Coordinator, Regional Project S-9, Southern Regional Plant Introduction Station, Experiment, Ga. 30212. Scientists in the North Central, Northeastern, or Western Regions should direct similar requests to the Coordinator, Regional Project NC-7, NE-9, or W-6, at the appropriate Regional Plant Introduction Station.

W. R. Langford  
Coordinator, Regional Project S-9  
Science and Education Administration



## *Abelmoschus esculentus* Introductions

The following symbols and abbreviations are used in the table of *Abelmoschus esculentus* introductions:

<u>Column</u>	<u>Interpretation</u>
Source . . . . .	AFGH, Afghanistan. GUAT, Guatemala. MEX, Mexico. NIGIA, Nigeria. PAK, Pakistan. PHIL, Philippines. PU RI, Puerto Rico. SAUDI, Saudi Arabia. TAIWN, Taiwan. TURKY, Turkey. UAR, United Arab Republic.
Stem type . . . . .	1, branched. 5, not branched. 9, mixture of branched and unbranched plants.
Pod type . . . . .	1, angular. 9, round.
Pod axis . . . . .	1, curved. 3, straight. 5, stocky. 9, mixture of pods with curved axes and pods with straight axes.
Root knot . . . . .	Caused by a reaction to unspecified nematodes of the root knot group ( <i>Meloidogyne</i> spp.). 1 or 2, minor gall formation. 3 or 4, moderate gall formation. 5 or 6, severe gall formation.
Fusarium wilt . . . . .	Caused by <i>Fusarium vasinfectum</i> (Atk.) Syd. and Hans. 2, highly resistant.

P.I. NUMBER	SOURCE	MATURITY	PLANT HEIGHT (CM)	STALK STRENGTH	STEM TYPE	PLANT COLOR	POD TYPE	POD AXIS	POD LENGTH	SPINE DENSITY	ROOT KNOT	FUSARIUM
105442	TURKEY	MIDSEASON	120	STRONG	9	GREEN	9	5	VERY LONG	MODERATE		
109215	TURKEY	VERY LATE	065	WEAK	1	GREEN	1	1	SHORT	HEAVY	2	
116453	INDIA	LATE	050	STRONG	9	GREEN	1	1	LONG	HEAVY		
116454	INDIA	VERY LATE	050	STRONG	9	GREEN	1	1	LONG	HEAVY		
116802	INDIA	VERY LATE	060	STRONG	1	GREEN	1	1	LONG	HEAVY		
116803	INDIA	LATE	050	STRONG	1	GREEN	1	1	LONG	HEAVY		
117095	TURKEY	VERY LATE	050	STRONG	1	GREEN	1	1	SHORT	HEAVY		
120660	TURKEY	LATE	055	WEAK	5	GREEN	1	1	LONG	HEAVY		
120661	TURKEY	MIDSEASON	100	STRONG	9	GREEN	9	9	VERY LONG	MODERATE		
120826	TURKEY											
120827	TURKEY	VERY LATE	090	WEAK	1	VARIABLE	1	1	SHORT	HEAVY		
120828	TURKEY	VERY LATE	095	STRONG	1	GREEN	1	1	SHORT	HEAVY		
120832	TURKEY	VERY LATE	120	WEAK	1	GREEN	1	9	LONG	HEAVY		
120833	TURKEY	VERY LATE	055	WEAK	1	GREEN	1	1	SHORT	HEAVY	2	
120834	TURKEY	LATE	070	WEAK	1	GREEN	1	1	SHORT	HEAVY		
120835	TURKEY	LATE	065	WEAK	1	VARIABLE	1	1	SHORT	HEAVY		
120836	TURKEY	EARLY	060	WEAK	1	GREEN	1	1	LONG	HEAVY		
120839	TURKEY	LATE	090	WEAK	1	GREEN	1	9	LONG	HEAVY		
120841	TURKEY	EARLY	075	STRONG	1	GREEN	1	1	VARIABLE	HEAVY		
123451	INDIA											
123452	INDIA	LATE	050	STRONG	9	GREEN	1	1	SHORT	HEAVY		
124179	INDIA	MIDSEASON	050	STRONG	1	GREEN	1	1	SHORT	HEAVY		
124398	INDIA	EARLY	050	STRONG	5	GREEN	1	1	SHORT	HEAVY		2
124399	INDIA		050									
124977	MEX											
127417	INDIA	EARLY	050	STRONG	1	GREEN	1	1	SHORT	HEAVY		
138507	IRAN	LATE	070	WEAK	1	GREEN	1	1	LONG	HEAVY		
138508	IRAN	MIDSEASON	050	STRONG	1	VARIABLE	1	1	SHORT	HEAVY		
140316	IRAN	MIDSEASON	050	WEAK	1	GREEN	1	1	SHORT	HEAVY		
140317	IRAN	LATE	060	STRONG	1	VARIABLE	1	1	SHORT	HEAVY		
140318	IRAN	VERY LATE	075	STRONG	1	GREEN	1	1	SHORT	HEAVY		
142780	IRAN	LATE	150	STRONG	1	GREEN	1	1	LONG	HEAVY		
142781	IRAN	LATE	060	STRONG	1	GREEN	1	1	SHORT	HEAVY		
142782	IRAN	VERY LATE	090	STRONG	1	GREEN	1	1	LONG	HEAVY		
142784	IRAN	VERY LATE	075	STRONG	1	GREEN	1	1	SHORT	HEAVY		
142785	IRAN	VERY LATE	090	STRONG	1	VARIABLE	1	1	SHORT	HEAVY		
142786	IRAN											
142787	IRAN	VERY LATE	090	STRONG	1	GREEN	1	1	VARIABLE	HEAVY		
155295	SAUDI	LATE	185	STRONG	1	VARIABLE	1	1	LONG	HEAVY		
164169	INDIA	EARLY	070	STRONG	1	GREEN	1	1	SHORT	HEAVY		
164273	INDIA	LATE	125	STRONG	1	VARIABLE	1	1	VERY LONG	HEAVY	5	
164652	INDIA	EARLY	090	STRONG	5	VARIABLE	1	1	LONG	MODERATE	4	
164694	INDIA	EARLY	110	STRONG	5	GREEN	1	9	LONG	HEAVY	3	
164714	INDIA	VERY LATE	075	STRONG	1	GREEN	1	1	LONG	HEAVY	3	
164800	INDIA	EARLY	075	STRONG	5	GREEN	1	3	LONG	LIGHT		
164925	TURKEY	EARLY	100	STRONG	5	VARIABLE	1	9	LONG	HEAVY		
165058	INDIA	MIDSEASON			1	VARIABLE	1	1	VARIABLE			2



165468	INDIA	MIDSEASON	090	STRONG	1	GREEN	1	1	SHORT	HEAVY	2
165496	INDIA	EARLY			1	GREEN	1	9	LONG		
165501	INDIA	EARLY			5		1	9	LONG		4
167027	TURKY	LATE	075	WEAK	1	GREEN	1	9	SHORT	HEAVY	5
167096	TURKY	MIDSEASON	100	WEAK	1	GREEN	1	9	VARIABLE		
167108	TURKY	EARLY	075	WEAK	9	VARIABLE	1	3	SHORT	HEAVY	5
167207	TURKY	EARLY	120	WEAK	5	VARIABLE	1	1	LONG	HEAVY	5
167232	TURKY	EARLY			5		1	9	LONG	HEAVY	3
167376	TURKY	EARLY	090	STRONG	9	VARIABLE	1	1	LONG	MODERATE	5
169693	TURKY	MIDSEASON	095	STRONG	1	VARIABLE	1	1	LONG	HEAVY	5
169694	TURKY	EARLY			5	GREEN	1	1	LONG		3
169695	TURKY	LATE			9	GREEN	1	1	SHORT	HEAVY	5
169696	TURKY	EARLY	150	STRONG	5	GREEN	1	5	LONG	HEAVY	4
169697	TURKY	MIDSEASON	135	STRONG	9	GREEN	1	1	LONG	HEAVY	3
169698	TURKY	EARLY	075	WEAK	5	GREEN	1	1	SHORT	HEAVY	4
169699	TURKY	EARLY	062	WEAK	5	GREEN	1	1	LONG	HEAVY	3
169700	TURKY	EARLY	050	STRONG	1	GREEN	1	1	SHORT	HEAVY	
169701	TURKY	EARLY	087	STRONG	9	VARIABLE	1	1	LONG	HEAVY	3
169702	TURKY	MIDSEASON	110	STRONG	5	GREEN	1	9	SHORT	HEAVY	3
169703	TURKY	LATE	050	STRONG	5	GREEN	1	1	LONG	HEAVY	6
169704	TURKY	MIDSEASON	070	STRONG	1	GREEN	1	1	LONG	HEAVY	
169705	TURKY	MIDSEASON	065	STRONG	9	GREEN	1	3	LONG	HEAVY	4
169706	TURKY	MIDSEASON	070	STRONG	1	GREEN	1	1	SHORT	HEAVY	
169707	TURKY	EARLY	055	WEAK	5	GREEN	1	1	LONG	HEAVY	3
169708	TURKY	MIDSEASON	070	STRONG	5	GREEN	1	1	LONG	HEAVY	5
169709	TURKY	EARLY	100	WEAK	5	GREEN	1	3	SHORT	HEAVY	4
169710	TURKY	MIDSEASON	080	STRONG	1	GREEN	1	1	SHORT	HEAVY	4
169711	TURKY	MIDSEASON			5	GREEN	1	1	LONG	HEAVY	5
169712	TURKY	MIDSEASON			9	GREEN	1	3	SHORT	VERY HEAVY	3
171658	TURKY	MIDSEASON	050	STRONG	1	GREEN	1	1	SHORT	HEAVY	3
171659	TURKY	EARLY	085	STRONG	5	GREEN	1	3	SHORT	HEAVY	3
171660	TURKY	EARLY	120	WEAK	5	GREEN	1	3	SHORT	HEAVY	3
171661	TURKY	LATE	075	WEAK	1	GREEN	1	1	LONG	HEAVY	2
171662	TURKY	MIDSEASON	050	WEAK	5	GREEN	1	3	LONG	HEAVY	3
172672	TURKY	EARLY	090	STRONG	5	RED	1	1	SHORT	HEAVY	6
172673	TURKY	EARLY	070	STRONG	5	RED	1	1	SHORT	HEAVY	6
172674	TURKY	MIDSEASON	085	STRONG	5	GREEN	1	1	SHORT	HEAVY	5
172675	TURKY	EARLY	110	STRONG	1	RED	1	1	MEDIUM	HEAVY	5
172676	TURKY	LATE	120	STRONG	9	GREEN	1	1	LONG	HEAVY	5
172677	TURKY	MIDSEASON	160	STRONG	9	GREEN	1	3	VARIABLE	HEAVY	2
172678	TURKY	MIDSEASON	110	STRONG	5	GREEN	1	3	SHORT	HEAVY	5
172679	TURKY	LATE	085	STRONG	5	GREEN	1	1	LONG	HEAVY	5
172680	TURKY	EARLY	075	WEAK	5	GREEN	1	1	LONG	VERY HEAVY	4
173832	INDIA	LATE	070	WEAK		GREEN	1	1	VARIABLE	VERY HEAVY	4
174000	TURKY	VERY LATE	100	STRONG	1	GREEN	1	9	SHORT	HEAVY	2
174001	TURKY	LATE	110	WEAK	1	GREEN	1	3	LONG	HEAVY	5
174002	TURKY	MIDSEASON	090	WEAK	9	GREEN	1	3	SHORT	HEAVY	4
174003	TURKY	MIDSEASON	110	STRONG	9	GREEN	1	1	SHORT	HEAVY	2
174004	TURKY										
174005	TURKY	MIDSEASON	095	STRONG	5	GREEN	1	3	SHORT	HEAVY	3



P.I. NUMBER	SOURCE	MATURITY	PLANT HEIGHT (CM)	STALK STRENGTH	STEM TYPE	PLANT COLOR	POD TYPE	POD AXIS	POD LENGTH	SPINE DENSITY	ROOT KNOT	FUSARIUM
174006	TURKY	LATE	180	STRONG	5	GREEN	1	3	SHORT	HEAVY	5	
174007	TURKY	EARLY	175	STRONG	9	GREEN	1	9	LONG	VERY HEAVY	5	
174008	TURKY	MIDSEASON	130	WEAK	9	GREEN	1	1	LONG	HEAVY		
175035	INDIA	LATE			9	GREEN	1	3	LONG		4	
175559	TURKY	LATE	090	STRONG	5	GREEN	1	1	SHORT	HEAVY	4	
175560	TURKY	MIDSEASON	085	STRONG	9	VARIABLE	1	1	SHORT	HEAVY	4	
175561	TURKY	MIDSEASON	075	WEAK	1	GREEN	1	9	VARIABLE	HEAVY	5	
175562	TURKY	LATE	060	WEAK	1	GREEN	1	1	SHORT	HEAVY	2	
175563	TURKY	EARLY	075	STRONG	5	GREEN	1	3	SHORT	HEAVY	2	
175564	TURKY	MIDSEASON	125	STRONG	9	GREEN	1	1	LONG	HEAVY	3	
175565	TURKY	MIDSEASON			9	VARIABLE	1	1	LONG	HEAVY	3	
175566	TURKY	MIDSEASON	070	STRONG	9	VARIABLE	1	1	LONG	HEAVY	2	
175567	TURKY	MIDSEASON	080	WEAK	9	VARIABLE	1	1	LONG	HEAVY	3	
175568	TURKY	LATE	135	STRONG	1	VARIABLE	1	1	LONG	HEAVY	5	
176382	TURKY	MIDSEASON	150	WEAK	5	GREEN	1	1	VARIABLE	HEAVY	5	
176383	TURKY	EARLY	070	WEAK	1	RED	1	1	LONG	HEAVY	4	
176384	TURKY	EARLY	135	STRONG	1	GREEN	1	1	LONG	HEAVY	5	
176385	TURKY	LATE	178	STRONG	9	GREEN	1	9	LONG	HEAVY	5	
176386	TURKY	MIDSEASON	085	WEAK	1	GREEN	1	1	LONG	HEAVY	5	2
176387	TURKY	MIDSEASON	100	STRONG	1	GREEN	1	9	LONG	HEAVY	4	
176388	TURKY	VERY LATE	072	WEAK	1	GREEN	1	9	LONG	HEAVY	5	
176389	TURKY	LATE	070	WEAK	1	VARIABLE	1	1	LONG	HEAVY	5	2
176849	TURKY	MIDSEASON	075	WEAK	1	GREEN	1	1	VARIABLE	HEAVY	3	2
176850	TURKY	LATE			1	GREEN	1	1	LONG	HEAVY	5	
176851	TURKY	EARLY	060	STRONG	1	GREEN	1	1	LONG	VERY HEAVY	5	
176852	TURKY	MIDSEASON	055	STRONG	1	GREEN	1	1	SHORT	HEAVY	5	2
177234	TURKY	VERY LATE	110	STRONG	1	GREEN	1	1	LONG	VERY HEAVY	2	
177235	TURKY	LATE	075	WEAK	1	GREEN	1	1	SHORT	VERY HEAVY	2	
177236	TURKY	LATE	075	STRONG	1	GREEN	1	9	LONG	VERY HEAVY		2
177238	TURKY	EARLY			1		1					
177239	TURKY	EARLY	075	STRONG	1	GREEN	1	1	SHORT	HEAVY	5	
177240	SYRIA	MIDSEASON	090	WEAK	9	VARIABLE	1	1	LONG	HEAVY	5	
178808	USA	LATE			1		1					
178815	TURKY	LATE	095	WEAK	1	GREEN	1	1	LONG	HEAVY		
178816	TURKY	MIDSEASON	060	WEAK	1	GREEN	1	1	SHORT	VERY HEAVY	5	
178817	TURKY	MIDSEASON	060	STRONG	5	GREEN	1	3	SHORT	HEAVY	5	
178818	TURKY	VERY LATE	075	STRONG	1	GREEN	1	3	SHORT	VERY HEAVY	2	
179157	TURKY	LATE	085	WEAK	1	GREEN	1	1	LONG	HEAVY	5	
179158	TURKY	MIDSEASON			5		1					
179159	TURKY	EARLY	170	WEAK	1	GREEN	1	1	LONG	HEAVY	3	
179621	TURKY	MIDSEASON	095	WEAK	1	VARIABLE	1	1	VARIABLE	HEAVY		
179622	TURKY	MIDSEASON	070	WEAK	5	VARIABLE	1	1	LONG	HEAVY		
179623	TURKY	MIDSEASON	138	STRONG	5	GREEN	1	3	MEDIUM	HEAVY		
179624	INDIA	LATE	090	WEAK	1	GREEN	1	3	SHORT	HEAVY		
179625	INDIA	LATE	085	WEAK	1	GREEN	1	3	LONG	HEAVY		
179839	INDIA	MIDSEASON	100	WEAK	1	GREEN	1	1	SHORT	HEAVY		
179840	INDIA	LATE	120	WEAK	1	GREEN	1	1	VARIABLE	VERY HEAVY		
			075									

180017	PAK	EARLY	065	STRONG	1	VARIABLE	1	1	LONG	HEAVY	
180044	INDIA	MIDSEASON	060	STRONG	1	GREEN	1	1	LONG	HEAVY	
180252	INDIA	VERY LATE									
180405	INDIA	MIDSEASON	080	WEAK	9	GREEN	1	1	LONG	HEAVY	4
180406	INDIA	EARLY	070	WEAK	5	VARIABLE	1	1	LONG	HEAVY	4
181853	SYRIA	MIDSEASON	130	WEAK	1	GREEN	1	1	LONG	LIGHT	
181904	SYRIA	EARLY	070	WEAK	5	GREEN	1	1	LONG	HEAVY	5
181928	SYRIA	LATE	090	WEAK	1	GREEN	1	1	LONG	HEAVY	5
182121	INDIA	MIDSEASON	075	WEAK	5	GREEN	1	1	LONG	HEAVY	2
182128	TURKY	MIDSEASON	085	WEAK	1	VARIABLE	1	1	MEDIUM	HEAVY	3
182129	TURKY	LATE	200	STRONG	1	GREEN	1	1	SHORT	HEAVY	4
182130	TURKY	EARLY	055	STRONG	1	GREEN	1	1	SHORT	HEAVY	
182131	TURKY	LATE	110	WEAK	1	GREEN	1	9	SHORT	VERY HEAVY	5
182132	TURKY	MIDSEASON	115	WEAK	1	GREEN	1	9	SHORT	HEAVY	5
182133	TURKY	EARLY	120	STRONG	1	GREEN	1	1	SHORT	VERY HEAVY	
182831	GUAT	LATE	100	STRONG	5	VARIABLE	1	9	SHORT	HEAVY	2
183010	INDIA	EARLY	075	STRONG	1	GREEN	1	9	LONG	HEAVY	5
183011	INDIA	EARLY	060	STRONG	1	VARIABLE	1	1	LONG	HEAVY	4
183012	INDIA	EARLY			5	RED	1	1	LONG	HEAVY	3
183013	INDIA	EARLY	085	STRONG	1	RED	1	3	LONG	HEAVY	5
183108	INDIA	EARLY	070	STRONG	5	RED	1	9	VERY LONG	HEAVY	3
183252	INDIA	LATE	060	WEAK	1	VARIABLE	1	1	SHORT	HEAVY	3
183285	INDIA	EARLY	060	STRONG	1	RED	1	1	LONG	HEAVY	4
204544	TURKY	VERY LATE	110	WEAK	5	GREEN	1	1	MEDIUM	HEAVY	2
204545	TURKY	VERY LATE	065	WEAK	1	GREEN	1	1	SHORT	HEAVY	
204545	TURKY	VERY LATE	150	WEAK	1	GREEN	1	1	VERY LONG	VERY LIGHT	
204670	TURKY	MIDSEASON	080	WEAK	1	GREEN	1	1	SHORT	HEAVY	
205161	TURKY	EARLY	060	WEAK	1	GREEN	1	1	LONG	HEAVY	
206936	TURKY	MIDSEASON	045	WEAK	1	GREEN	1	1	SHORT	HEAVY	3
207824	CUBA	LATE	155	STRONG	1	GREEN	1	3	SHORT	MODERATE	
208731	CUBA										
208732	CUBA	LATE	100	STRONG	5	GREEN	1	3	SHORT	MODERATE	
209104	PU RI	EARLY	55	STRONG	1	VARIABLE	1	1	LONG	VERY HEAVY	
211573	AFGH	LATE	080	STRONG	1	GREEN	1	1	LONG	HEAVY	
212586	AFGH	EARLY	090	WEAK	1	RED	1	3	SHORT	HEAVY	
212878	INDIA	EARLY	065	WEAK	1	GREEN	1	1	SHORT	HEAVY	
212968	INDIA	EARLY	075	STRONG	1	GREEN	1	1	SHORT	VERY HEAVY	
217511	PAK	EARLY	100	STRONG	9	GREEN	1	1	LONG	HEAVY	
217929	PAK	EARLY	060	STRONG	1	VARIABLE	1	1	LONG	VERY HEAVY	
217930	PAK	EARLY	050	STRONG	9	GREEN	1	1	LONG	VERY HEAVY	
221161	AFGH	MIDSEASON	050	WEAK	1	VARIABLE	1	1	LONG	HEAVY	
222026	AFGH	VERY LATE	055	STRONG	1	GREEN	1	1	SHORT	VERY HEAVY	
222027	IRAN	LATE	050	STRONG	1	GREEN	1	1	SHORT	VERY HEAVY	
222697	IRAN	MIDSEASON	050	STRONG	1	VARIABLE	1	9	SHORT	VERY HEAVY	
247754	ZAIRE	VERY LATE	133	STRONG	1	GREEN	1	1	SHORT	VERY HEAVY	
248999	NIGIA	MIDSEASON	175	STRONG	1	GREEN	1	9	LONG	HEAVY	
249007	NIGIA	MIDSEASON	233	STRONG	1	VARIABLE	1	1	LONG	HEAVY	
249620	INDIA	EARLY	168	STRONG	1	GREEN	1	9	LONG	VERY LIGHT	
250126	PAK	MIDSEASON	148	STRONG	1	VARIABLE	1	1	MEDIUM	HEAVY	
251500	IRAN	LATE	170	STRONG	1	VARIABLE	1	9	SHORT	VERY HEAVY	

P. I. NUMBER	SOURCE	MATURITY	PLANT HEIGHT (CM)	STALK STRENGTH	STEM TYPE	PLANT COLOR	POD TYPE	POD AXIS	POD LENGTH	SPINE DENSITY	ROOT KNOT	FUSARIUM
256067	AFGH	LATE	120			RED	1	1	MEDIUM			
256068	AFGH	LATE	120			RED	1	1	MEDIUM			
268384	AFGH	LATE	125			RED	1	1	SHORT			
269494	PAK	EARLY	125			RED	1	3	SHORT			
269495	PAK	MIDSEASON	090			GREEN	1	1	LONG			
271349	INDIA	EARLY	100			RED	1	1	MEDIUM			
271474	INDIA	EARLY	120		5	RED	1	3	MEDIUM	MODERATE		
274339	USSR	MIDSEASON	150			GREEN	1	1	SHORT			
274340	TAIWAN	LATE	195			GREEN	9	1	MEDIUM			
274341	TAIWAN	LATE	165			GREEN	1	1	MEDIUM			
274342	INDIA	EARLY	100			RED	1	1	SHORT			
274343	INDIA	LATE	180			GREEN	1	1	MEDIUM			
274344	INDIA	MIDSEASON	090			RED	1	1	LONG			
274345	INDIA	MIDSEASON	165			RED	1	1	MEDIUM			
274346	INDIA	MIDSEASON	140			GREEN	1	1	MEDIUM			
274347	UAR	MIDSEASON	150			RED	1	1	MEDIUM			
274348	UAR	LATE	180			RED	1	3	SHORT			
274349	UAR	MIDSEASON	150			RED	1	3	SHORT			
274350	UAR	MIDSEASON	210			RED	1	3	MEDIUM			
274351	UAR	MIDSEASON	135			GREEN	1	1	LONG			
274352	IRAN	MIDSEASON	150			GREEN	1	1	MEDIUM			
280063	GHANA	LATE	100	STRONG	1	GREEN	1	3	SHORT	LIGHT		
288632	INDIA	EARLY	085	STRONG	1	RED	1	1	LONG	MODERATE		
291032	INDIA	EARLY	100	WEAK	5	GREEN	1	1	MEDIUM	MODERATE		
291124	TAIWAN	LATE	138	STRONG	1	RED	1	3	LONG	HEAVY		
292958	INDIA	EARLY	100	STRONG	5	RED	1	1	MEDIUM	MODERATE		
293434	INDIA	MIDSEASON	075	STRONG	5	GREEN	1	1	LONG	VERY HEAVY		
305400	INDIA	MIDSEASON	110	STRONG	5	RED	1	1	LONG	MODERATE		
306379	PHIL	LATE	045	STRONG	1	GREEN	1	1	LONG	MODERATE		
310472	INDIA	EARLY	090	WEAK	5	GREEN	1	1	MEDIUM	MODERATE		
310473	INDIA	MIDSEASON	090	WEAK	5	GREEN	1	1	MEDIUM	MODERATE		
310474	INDIA	EARLY	100	STRONG	1	GREEN	1	1	LONG	HEAVY		
310475	INDIA	MIDSEASON	120	STRONG	5	GREEN	1	1	LONG	MODERATE		
310476	INDIA	EARLY	095	WEAK	5	GREEN	1	1	LONG	HEAVY		
310477	INDIA	LATE	090	STRONG	1	GREEN	1	3	MEDIUM	MODERATE		
311106	GUAT											
323318	INDIA											
323319	INDIA											
323508	INDIA	MIDSEASON	80	STRONG	1	GREEN	1	3	LONG	MODERATE		
323509	INDIA	MIDSEASON	120	STRONG	9	GREEN	1	3	LONG	MODERATE		
344073	TURKY											
349232	GHANA	MIDSEASON	90	STRONG	1	RED	1	3	LONG	MODERATE		
356831	INDIA	MIDSEASON	90	STRONG	1	GREEN	1	3	MEDIUM	MODERATE		
357989	YUGO	MIDSEASON	50	STRONG	1	GREEN	1	1	MEDIUM	MODERATE		
357990	YUGO	MIDSEASON	100	STRONG	9	GREEN	1	3	MEDIUM	MODERATE		
357991	YUGO	MIDSEASON	70	STRONG	1	GREEN	1	1	MEDIUM	MODERATE		



357992	YUGO	MIDSEASON	100	STRONG	1	GREEN	1	1	MEDIUM	MODERATE
357993	YUGO	MIDSEASON	140	STRONG	1	GREEN	1	9	MEDIUM	MODERATE
357994	YUGO	MIDSEASON	90	STRONG	9	RED	1	3	MEDIUM	MODERATE
357995	YUGO	MIDSEASON	60	STRONG	1	GREEN	1	3	MEDIUM	MODERATE
357996	YUGO	MIDSEASON	100	STRONG	1	GREEN	1	3	MEDIUM	HEAVY
357997	YUGO	LATE	100	STRONG	1	GREEN	1	3	VERY LONG	MODERATE
357998	YUGO	MIDSEASON	120	STRONG	1	GREEN	1	3	LONG	MODERATE
357999	YUGO	LATE	130	STRONG	1	GREEN	1	3	LONG	MODERATE
370025	INDIA	MIDSEASON	130	STRONG	1	GREEN	1	3	VERY LONG	MODERATE
370026	INDIA	MIDSEASON	130	STRONG	1	GREEN	1	5	SHORT	MODERATE
370027	INDIA	MIDSEASON	110	STRONG	1	GREEN	1	3	LONG	MODERATE
370028	INDIA	MIDSEASON	100	STRONG	1	GREEN	1	3	LONG	MODERATE
370029	INDIA	MIDSEASON	90	STRONG	1	RED	1	3	LONG	MODERATE
370030	INDIA	MIDSEASON	100	STRONG	1	GREEN	1	5	SHORT	MODERATE
378630	ZAIRE									
378631	ZAIRE									
379352	YUGO									
379353	YUGO									
379583	JAPAN									
387980	PHIL									
387981	PHIL									
387982	PHIL									
387986	PHIL									
390580	PERU									
390581	PERU									







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